

Problems of Coordination of Scientific and
Technical Research of CEMA Countries, by
T. Azarov, 11 pp.
RUSSIAN, per, Plan MKhoz, No 4, pp 36-43.
JPRS 24737

USSR
Econ
Jun 64

260,152

Specialization Problems in the Ferrous Metal
Industry, by E. Gwadzinski, 12 pp.
RUSSIAN, per, Plan Khoz, No 4, 1964, pp 44-51.
JPRS 24737

USSR
Econ
Jun 64

26,153

Cooperation in the Development of the Chemical
Industry, by W. Schirmer, 6 pp.
RUSSIAN, per, Plan Khoz, No 4, 1964, pp 52-55.
JPRS 24737

USSR
Econ
Jun 64

260,154

International Socialist Division of Labor in the
Textile Industry, by J. Kotis, 8 pp.
RUSSIAN, per, Plan Khoz, No 1, 1964, pp 55-60.
JPRS 24737

USSE
Econ
Jun 64

260,155

Results Achieved by the CEMA Permanent
Commission on Transportation, by
P. Lewinski, 11 pp.
RUSSIAN, per, Plan Khoz, No 4, 1964, pp 61-67.
JPRS 24737

USSR
Econ
Jun 64

260,156

International Socialist Division of Labor
and Foreign Trade Among CEMA Countries,
by G. Popisakov, 9 pp.
RUSSIAN, per, Plan Khoz, No 4, 1964, pp 68-73.
JPRS 24737

USSR
Econ
Jun 64

260,157

Actual Problems in Working Out the New
Five Year Plan, by F. Kotov, 16 pp.
RUSSIAN, per, Plan Khoz, No 5, 1964, pp 1-12.
JPRS 24924

USSR
Econ
Jun 64

6
261,085

Urgent Tasks in Working out the New Five Year
Plan, by F. Kotoy, 16 pp.
RUSSIAN, per, Plan Khoz, No 5, 1964, pp 1-12.
JPRS 26203

USSR
Econ
Sep 64

266,268

Problems of Structural Shifts and of Increases
in the Effectiveness of Public Production ,
by A. Yefimov, 15 pp.
RUSSIAN, per, Plan Khoz, No 5, 1964, pp 13-23.
JPRS 25791

USSR
Econ
Aug 64

264,361

The Problem of the Distribution of the
Chemical Industry, by N. Fedorenko, by A. Bayn,
15 pp.
RUSSIAN, per, Plan Khoz, No 5, 1964, pp 24-232.
JPRS 25491

USSR
Econ
Aug 64

265,283

The Reserves of Acceleration of Development
of the Chemical Industry, by A. Kudryavtsev,
16 pp.
RUSSIAN, per, Plan Khoz, No 6, 1964, pp 11,-21.
JPRS 25868

USSR
Econ
Aug 64

265,759

Mathematics in Price Planning, by A. Komin,
12 pp.
RUSSIAN, per, Plan Khoz, No 6, 1964, pp 29-38.
JPRS 25397

USSR
Econ
Jul 64

263,284

A New Material Incentive System, by O. Kozlov,
11 pp.
RUSSIAN, per, Plan Khoz, No 6, 1964, pp 49-55.
JPRS 25616

USSR
Econ
Aug 64

264,210

The Use and Repair of Machinery in Sovkhoz,es,
by V. Semenov, 13 pp.
RUSSIAN, per, Plan Kshoz, No 6, 1964, pp 68-74.
JPRS 26753

USSR
Econ
Oct 64

267,960

Planning Problems in the Liberated Countries
of Asia and Africa, by E. Utkin, 13 pp.
RUSSIAN, per, Plan Khoz, No 6, 1964,
pp 81-89.
JPRS 25256

AFRICA
Econ
Jun 64

262,519

Advantages of Mass Production, by I. Shikhov,
11 pp.
RUSSIAN, per, Plan Khoz, No 7, 1964, pp 27-32.
JPRS 25753

USSR
Econ
Oct 64

267,962

Methodological Problems of the Development of the
New Five-Year Plan, by A. Klinskiy, 7 pp.
RUSSIAN, per, Plan Khoz, No 7, 1964, pp 90-93.
JPRS 26261

USSR
Econ
Sep 64

266,804

Basic Problems of the Development of the Economy
of the Ukrainian SSR, by A. Kochubey, 10 pp.

RUSSIAN, per, Plan Khoz, No 7, 1964, pp 1-7.

JPRS 27284

USSR
Econ
Jan 65

271,597

Certain Results and Prospects of the Development
of the National Economy of Belorussia, by S. Malin-
in, 11 pp.

RUSSIAN, per, Plan Khoz, No 7, 1964, pp 3-16.

JPRS 27284

USSR
Econ
Jan 65

271,598

Economic Effectiveness of Capital Investments
in the Long-Term Plan, by V. Krasovskiy, 13 pp.

RUSSIAN, per, Plan Khoz, No 7, 1964, pp 17-26.

JPRS 27284

USSR
Econ
Jan 65

271,599

Some Problems of Industrial Distribution,
by N. Nekrasov, 13 pp.
RUSSIAN, per, Plan Khoz, No 8, 1964, pp 6-15.
JPRS 27090

USSR
Econ
Jan 65

270,667

Specialization and Disproportion in the Economy
of the Far East, by S. Mikhaylov, L. Yurkevich,
10 pp.
RUSSIAN, per, Plan Khoz, No 8, 1964, pp 16/-24.
JPRS 27090

USSR-Siberia
Econ
FE
Econ
Jan 65

270,668

Economic Effectiveness of External Trade,
by G. Smirnov, B. Zotov, et al, 14 pp.
RUSSIAN, per, Plan Khoz, No 8, 1964, pp 25-32.
JPRS 26992

USSR
Econ
Dec 64

269,91#7

Calculating Specific Capital Investments in
Complex Industries, by R. Tikidzhiev, 12 pp.

RUSSIAN, per, Plan Khoz, No 8, 1964,
pp 38-44.

JPRS 27579

USSR
Econ
Jan 65

272,056

A System of Matrix Models for Intraplant
Planning, by N. Voloshin, 9 pp.
RUSSIAN, per, Planovoye Khozyaystvo, No 8,
Aug 1964, pp 60, 65.
JPRS 28267

USSR
Econ
Feb 65

274,040

Increasing the Production of Mineral Fertilizers in
the Urals, by En. Zinov'ev, N. Vysotsky and Co.
Puzoski, OPI
USSR, per, Manovaya Khozyaystvo, Moscow, No 5,
1964, pp 7-12
JPRS 27467

USSR
From
Jan 65

1964, 476

The Use of Pechora Coking Coal in Metallurgical Plants
of the Central Regions of the USSR, by A. Sakharev
and A. Potemko, 7pp
RUSSIAN, per, Planovaya Khozyaystva, Moscow, No 9,
1964, pp 15-18
JPRS 27467

USSR
Econ

Jan 65

L71,877

The Anticipated Growth of the Tool Industry, by
V. Kheritonen, 6pp
RUSSIA, per, Plannovye Khozyaystvo, Moscow, No. 1,
1964, pp. 17-22
JPRS 27467

USUR
Econ
Jan. 65

151,478

Planning the Ratio Between the Rise of Wages
and Labor Productivity, by N. Charykov, 36 pp.

RUSSIAN, per, Plan Khoz, No 9, 1964, pp 24-33.

JPRS 27719

USSR
Econ
Jan 65

272,348

Mechanization of Managerial Labor at a Machine-
Building Enterprise, by I. Zinger, A. Lapshin, 6 pp.
RUSSIAN, par, Planovoye Khozyaystvo, No 5, Sept 1964,
pp 63-65.
JPRS 27941

USSR
Econ
Feb 65

272,984

Improvement of the organization of the Material
and Technical Supply of the National Economy,
by I. Burshhteyn, N. Maso, 10 pp.
RUSSIAN, per, Plenovoye Khozyaystvo, No 10,
Oct 1964, pp 1-6.
JPRS 28736

USSR
Econ
Mar 65

276,052

Specialization and Concentration of Foundries in
Moskovskiy Sovnarkhoz, by R. Manilovskiy, 10 pp.
RUSSIAN, per, Plan Khoz, No 10, 1964, pp 60-64.
JPRS 23146

USSR
Econ
Feb 65

273,127

Industrial Railroad Transport: An Important Link
in the Transport System, by T. Lazarenko, 10 pp
RUSSIAN, per: Planovoye khozyaystvo, No 12, Dec
64, pp 10-16.
JPRS 29417

USSR
Econ
Apr 65

277,553

Prospects for Development of the Foodstuff
Industry, by M. Parshikov, V. Shvarts, 12 pp.
RUSSIAN, per, Planovoye Khozyaystvo, No. 12,
December 1964, pp. 32-38.
JPRS 29357

USSR
Econ
Apr 65

277,436

Distribution Of the Electric Power Load, by V.
Ionov, 11 pp
RUSSIAN, per, Planovoye Khozyaystvo, No 12, Dec
64, pp 38-44.
JPRS 29630

USSR
Econ
Apr 65

279,155

An Neometric Model for Use in Composing Price-Lists,
by A. Matlin, 10 pp.
RUSSIAN, per, Planovaya Khozyaystvo, No 12, Dec 1964,
pp 15-21.
JPRS 29605

USSR
Econ
Apr 65

278,963

Modern Equipment and Mechanization and Automation
Are the Prerequisites of Increased Labor Produc-
tivity, by V. Strizhov and V. Shelekhov, 6 pp
RUSSIAN, per, Planovoye Khozyaystvo, No 12, Dec 64,
pp 57-60.
JPRS 29544

USSR
Econ
Apr 65

277,700

Enterprises Draw-Up Plans for Scientific Organi-
zation of Labor /NOT/, by G. Kaganov, 5 pp
RUSSIAN, per, Planovoye Khozyaystvo, No 12, Dec
64, pp 60-62.
JPRS 29544

USSR
Econ
Apr 65

277,709

Synthetic Colloidal Solutions Used in Plasma
Substitutes, by I. R. Petrov, A. N. Filatov, 54 pp.

RUSSIAN, ~~the~~ bk, Plasmozameshchatiushchie Rastvory,
Chapter 9, 1958,

Navy Tr 3250/NMS 737

Sci. - Med

217,527

Nov 62

(DC-6436)

Planned Regulation of the Wages of Engineering-
Technical Workers and Employees, by V. I. Markov,
175 pp.

RUSSIAN, bk, Planovyye Regulyrovaniye Zarebotoy
Platy Inzhenerno-Tekhnicheskikh Rabotnikov i
Sluzhashchikh, 1961, pp 1-127.

JPRS 11992

181.247

USSR
Econ
Jan 62

PLANNED EXPENDITURES FOR SOVIET RESEARCH
INSTITUTIONS, BY L. V. POTSKHIN, I. B.
ROZENFELD, ET AL, 35 PP.

RUSSIAN, BK, PLANOVYYE RASKHODY SOTSIALISTICHESKIKH
I KULTURNYKH MERCPRIYATIY, MOSCOW, 1962,
PP 193-211.

JPRS 17265

USSR
ECON
JAN 63

220,457

(NY-5148)

Plastic Deformation of Metals, by S. I. Gubkin,
426 pp.

RUSSIAN, book Plasticheskaya Deformatsiya Metallov,
Vol 1, 1960, pp 1-376.

JPRS 9057

Sci - Min/Met

Apr 61

146,638

Elastic Deformation of Metals, by E. O. Steigler
438 pp.

RUSSIAN, bk, Elasticheskaya Deformatsiya
Metallov, Vol II, 1960, pp 1-416.

JP88 9220

Sci - Min/Metals

May 61

154,367

(NY-6115)

Plastic Deformation of Metals, 340 pp.

RUSSIAN, bk, Plasticheskaya Deformatsiya Metallov,
Vol III, 1960, pp 1-306.

JPRS 9373

Sci - Min/Metals

Jul 61

158,230

Modern Methods of Increasing the Strength
Properties of Steels and Alloys, by I. M.
Pavlov, G. B. Mekhed, Wang Yu-Ming, 21 pp.
RUSSIAN, bk, Plasticheskaya Deformatsiya
Metallurg, 1964, pp 3-18.
JPRS 28359

Sci-Mat & Met
Mar 65

275,575

Investigation of Thermal Resistance During Plastic
Deformation of Titanium Alloys, by I. M. Pavlov.
Moscow, U.S.S.R., Plasticheskiye Deformatsii Metalla,
Moscow, 1966, pp 12-13.
*REF ID: A6-1067

Sci-11/66
Ref 10

Zal'kind, Yu. S. and Rostovskiy, Ye. N. THE PREPARATION OF DIETHYL CARBONATE AND ITS USES. [1960] 10p. (refs. omitted). Order from OTS or SLA \$1.10	60-18960
Trans. of <u>Plasticheskiye Massy</u> (USSR) 1932, no. 2/4, p. 6-11.	I. Zal'kind, Yu. S. II. Rostovskiy, Ye. N.
DESCRIPTORS: *Carbonates, Ethyl radicals. *Esters, Synthesis.	161575
(Unannounced)	Office of Technical Services

Benzyl Dihydroxyadipate - A New Plasticizer, by S. N.
Ushakov, A. A. Rozenfel'd, 14 pp.

RUSSIAN, per, Plasticheskie Massy, No 3, 1935,
pp 4-8,

Sci Trans Center RT-892

Scientific - Chemistry
CTS/DEK

14,047

Basic Trends of Development in the Plastics
Industry During 1959-1965, by M. I. Garbar,
29 pp.

RUSSIAN, ~~FTD, Plasticheskaya Massy~~, No 1, 1959,
pp 3-9. 9670568

FTD-1001-728/1

164,287

USSR

Econ

Aug 61

Plastics and Their Employment in the Bread
Baking and Yeast Industries, by N. I.
Tkachev.
RUSSIAN, bk, Plasticheskie Massy i Ikh
Primenenie v Khlebopekarnoi i Drozhzhevoi
Promyshlennosti, 1963, 224 pp.
NLL RTS 31247 (On loan)

Aug 65

287,194

Plastics in the Electrotechnical Industry, by
A. K. Vardenberg.

RUSSIAN, bk, Plasticheskiye Massy v Elektro-
tekhnikeskoy Promyshlennosti, 3rd Ed., Rev
& Enlg, Polimery v Elektroizolyatsionnoy
Tekhnike, Vol V, 1963, 296 pp.

*FTD-MT-64-281

Sci-Elec
Jul 64

Co-Polymerization of Ethylene With Propylene
in the Presence of Metal-Organic-Metal-Halide
Compounds of Variable Valence, by N. M. Yegorov,
et al.

RUSSIAN, ibid, Plasticheskiye Massy, No 1, 1969,
p 10.

*ATIC /MCL 819

Sci - Chem

28 Feb 61

61-23370

Yegorov, N. M., Andreyeva, I. N. and others.
CO-POLYMERIZATION OF ETHYLENE AND PROPYLENE
IN THE PRESENCE OF ORGANIC-METALLIC
COMPOUNDS AND HALIDES OF METALS OF VARIABLE
VALENCY: [1961] [20p. 10 refs. [DSIR LIU]
M 2962.

Order from GTS or SLA \$1.60

61-23370

Trans. of Plasticheskiye Massy (USSR) 1959, no. 1,
p. 10-16.

DESCRIPTORS: *Copolymerization, *Ethylenes,
*Propenes, *Polymers, *Metalorganic compounds,
Aluminum compounds, Halides, *Catalysts.

Under conditions of mutual polymerization, ethylene
and propylene form a copolymer. The possibility is
demonstrated of producing a compositionally uniform
copolymer. Results were obtained which characterize
the basic laws governing the ethylene-propylene copoly-
merization process in the presence of organo-metallic
(Chemistry--Organic, TT, v. 6, no. 3) (over)

I. Yegorov, N. M.
II. Andreyeva, I. N.
III. DSR LLU M. 2962

140001

Office of Technical Services

Synthesis of High-Strength Materials Based on
Inoculated Styrene Polymers, by A. V. Golubeva,
et al.

RUSSIAN, per, Plasticheskiye Massy, No 1, 1959,
pp 21-25.

NLL M. 2954

Sci

Feb 62

186,903

Lukovenko, T. M., II, P. Z., and Akumlin, M. S.
 LAMINATED PLASTICS BASED ON GLASS FIBERS.
 PT. I PRODUCTION OF EPOXY-PHENOLIC GLASS
 LAMINATES. [1961] [10]p. 7 refs. [DGBR LLU] M 2965
 Order from OTS or SLA 51.10 61-23367

Trans. of Esteticheskoe Massy (USSR) 1959, no. 1,
 p. 26-29.

DESCRIPTION: *Laminated glass. Production,
 *Plastics. Glass. Glass textile. Epoxy resins, Phen-
 olic resins, Resins.

Glass laminates made by using epoxy-phenolic resins
 have a considerable heat resistance. The tensile
 strength of epoxy-phenolic glass laminate after re-
 peated heat treatment for 25 hours at a temperature of
 200°C is 3,000 to 3,600 kg/cm². The tensile strength
 of epoxy-phenolic glass laminate after heat treatment
 varies at 150°C between 1,900 and 2,200 kg/cm²; at
 200°C between 1,700 and 2,200 kg/cm²; and at 300°C
 (Materials--Plastics, TT, v. 6, no. 4) (over)

61-23367

I. Lukovenko, T. M.
 II. II, P. Z.
 III. Akumlin, M. S.
 IV. DGBR LLU M 2965

Office of Technical Services

61-23366

Gorbunov, V. N.
ON THE PRODUCTION OF UREA-FORMALDEHYDE
RESINS AT ELEVATED TEMPERATURES. [1961]
[6]p. 5 refs. [DSIR LLU] M 2966.
Order from OIS or SIA \$1.10 61-23366

Trans. of Plasticheskiye Massy (USSR) 1959, no. 1,
p. 30-31.

DESCRIPTORS: *Urea-formaldehyde resins, Production,
Temperature, Plastics, Resins.

Tests show that the various types of carbamide resin
made by high-temperature condensation constitute use-
ful technical products and have certain valuable technol-
ogical properties not possessed by the resins made
under normal conditions.

Office of Technical Services

(Materials--Plastics, TT, v. 6, no. 3)

17537

Akutin, M. S., Rodivilova, L. A., and Raybakov, K. P.

ON THE TWO-PHASE METHOD OF POLYCONDENSATION. [1961] [8]p. 6 refs. [DSR 11A] M 2-57.
Order from ODS or SIA \$1.10 61-23555

Trans. of Plasticheskiye Massy (USSR) 1959, no. 1, p. 32-34.

DESCRIPTORS: *Condensation reactions. *Polymers. *Amides. *Anhydrides. Amines. Chlorides. Acids.

The conditions were studied for the production of polyamides by the two-phase method, using the reaction between the acid anhydrides of nap carboxylic acids and hexamethylenediamine. The factors investigated included time of polycondensation, solution concentration, nature of the solvent, and ratio of reagents. The dichloranhydrides of the dicarboxylic acids were prepared by reacting the corresponding carboxylic acids with thionyl chloride. (Materials-Plastics, TTI v. 6, no. 3)

61-23555

I. Akutin, M. S.
II. Rodivilova, L. A.
III. Raybakov, K. P.
IV. DSR 11A M 2-57

Original Translated from Russian

The New Compact Powder Plastic IAK-4, by
V. A. Zakharov, V. I. Zakharova, G. N.
Nadezhkina, 21 pp.

RUSSIAN, par, Plasticheskiye Massy, No 1, 1959,
pp 43-49. 9670568

FTD-MCL-728/1

Sci - Chem

Aug 61.

164,288

New Synthetic Glues for the Cementing of
Metals and Non-Metallic Materials, by
D. A. Kardashov, M. V. Sobolevskiy, et al,
33 pp.

RUSSIAN, per, Plasticheskiye Massy, No 1, 1959,
pp 9-10. 9670568

FED-MIL-728/1

Sci - Chem

Aug 61.

164, 289

(BF-1332)

Ion-Exchange Membranes, by V. S. Titov, 14 pp.

RUSSIAN, per, Elasticheskkiye Massy, No 1, 1960,
pp 55-59.

JPRS 4336

Sui - China

Feb 61

139, 259

63-18895

Kamenskii, I. V., Smirnova, E. P., and Tsapelev, A. S.

MELAMINE-ACETONE-FORMALDEHYDE RESINS.

14 Jun 63 [8p] 6 refs

Order from CTS or SLA \$1.10

63-18895

Trans. of Plasticheskie Massy (USSR) 1960, no. 2, p. 17-19.

DESCRIPTORS: *Melamine-formaldehyde resins, *Acetones, *Amino plastics, *Laminated plastics, Thermosetting plastics, *Glass textiles, Fire-resistant textiles, Physical properties, Dielectric properties, Condensation reactions

The possibility of obtaining a new form of melamine-formaldehyde (M-F) modifying these with acetone, introduced into the reaction after formation of the hydroxymethyl derivatives of melamine is shown. The M-acetone-F resins synthesized differ from the un- (Materials--Plastics, TT, v. 10, no. 10) (over)

I. Title: Melamine-acetone-formaldehyde resins

I. Kamenskii, I. V.

II. Smirnova, E. P.

III. Tsapelev, A. S.

Office of Technical Service

New Polymers of the Catalytic Polymerization of
Organosiloxanes, by K.A. Andrianov, S.I. Dzhenchel',
skaya, Ju. K. Petrashko.

RUSSIAN, per, Plastikheskiye Massy, No 3, 1960,
EP 20-23. 9561814.

ATIC MCL 729/1-2

Sci - Chem
Jun 61

155556

Conversion of Poly(Ethylene Terephthalate) to
Film, by N. V. Andrianova.
RUSSIAN, per, Plast Massy, No 4, 1960, pp 18-27.
ATS-4805

Sci
Dec 68

368,751

(NY-4789)

On the Production and Application of
Glass Reinforced Plastics, by N. Trundakova,
8 pp.

RUSSIAN, per, Plasticheskiy Massy, No 4, 1960,
pp 71-73.

JPRS 5930

Sci. Chem

Nov 60

131,671

Glukhov, E. E. and Klaz, S. I.
RHEOLOGY PROBLEMS IN THE MANUFACTURE OF
ARTICLES FROM PLASTICS. [1963] 7p. 20 refs.
Order from OTS or SLIA \$1.10 63-16977

Trans. of ~~Plasticheskie Massy~~ (USSR) 1960, no. 5,
p. 22-25.

DESCRIPTORS: *Plastics, Manufacturing methods,
Fluid flow, Elasticity, Viscosity, Plasticity.

Establishing the behavior patterns of flow should make
it possible to resolve the fundamental technical
problem: determining the optimum operational regimes,
as well as the design of extrusion and die-casting
equipment. The nature of the flow of plastics when
they are utilized in the manufacture of articles from
them is governed largely by the relationship between
the forces of internal and external friction, together
with the relaxational properties. The principal proper-
(Materials--Plastics, TT, v. 10, no. 6) (over)

63-16977

I. Glukhov, E. E.
II. Klaz, S. I.

Office of Technical Services

A Method for Measuring Polymer Decomposition Temper-
atures, by O. Ya. Fedotova, S. A. Zakoashchikov. 9227310
RUSSIAN, par, Plasticheskiye Massy, No 5, 1960, pp 64, 65.
ORR Canada T 420 A

NLL 3546 1965 T-420 R

Sci - Phys
Jun 65

279,621

63-18892

Terent'ev, A. P., Luskina, B. M., and Syavtsillo, S. V.

DETERMINATION OF CARBON IMPURITIES IN SILICON-COPPER ALLOYS. 27 Jun 63 [6p] 4refs
Order from OTS or SLA \$1.10 63-18892

Trans. of Elasticheskie Massy (USSR) 1960, no. 5, p. 65-66.

DESCRIPTORS: *Silicon alloys, *Copper alloys, *Carbon, *Impurities, Chemical analysis, Quantitative analysis, *Silanes, *Catalysts.

I. Terent'ev, A. P.
II. Luskina, B. M.
III. Syavtsillo, S. V.

(Chemistry--Analytical, TT, v. 10, no. 10)

Office of Technical Services

Akutin, M. S., Parlashkevich, N. Ya. and others.
PREPARATION OF BLOCK AND GRAFT COPOLY-
MERS WITH THE AID OF A SPARK DISCHARGE IN
A LIQUID. [1960] 6p.
Order from ATS \$9.30

ATS-27M46R

Transl. of Plasticheskiye Massy (USSR) 1960, no. 6,
p. 2-5.

146,910

(Materials--Plastics, TT, v. 5, no. 5)

61-12342

1. Polymers--Synthesis
2. Electric discharges--
Chemical effects
3. Copolymerization
4. Title: Graft copolymers
5. Title: Block copolymers
- I. Akutin, M. S.
- II. Parlashkevich, N. Ya.
- III. ATS-27M46R
- IV. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

On the Origin of the Products of the
Pyrolysis of Phenol-Formaldehyde Tar,
by V. D. Moiseyev, M. B. Neyman, & P.
RUBIN, per, Plasticheskiy Massy,
No. 4, 1960, pp. 11-13. 9596616
FTD-TT-64-997

Sci - Phys
Apr 65

278,531

Organic Mineral Concrete Without Cement, by V. I.
Itinskii, I. V. Komenskii, S. M.

RUSSIAN, per, Plasticheskiye Massy, No 6, 1960,
pp 19-22. 9091426

ONE 61-31063/4 7
PL-480

2/1, 265

Sci - Min/Mat:

Eng 62

PST 500

PLASTICHESKIE MASSY
(Soviet Plastics - monthly)
Translation begins with 1960
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*Run
old*

The Use of High Frequency Heating in the
Production of Glass-Plastic Tubes, by
I. G. Fedorova, T. A. ~~BM~~ Shelina, N. I.
Britsyn,

RUSSIAN, per, Plasticheskiye Massy, 1961,
No 1, pp 35-37.

RAH Tr 970

181, 301

Sci - Engn

Jan 62

R-847

The Nature of the Strength of Polymers, by Bartenov
and Gul

RUSSIAN, per, Plasticheskiye Massy, No 1, 61, p 54-58

*JPRS/Picatinny Arsenal

Mar 62

(HSC-1879)

Problem of Producing the Dichloroanhydride of
-Chloroethylphosphonic Acid, by Ye. L. Gelfer,
M. I. Kabachnik, 6 pp.

RUSSIAN, per, Plasticheskiye Massy, No 1, 1961,
pp 63-65.

JPRS 4853

540

166, ~~278~~

Sci. - Chem

Sep 61

(SF-1819)

Use of Granulated Wastes From the Chemical Industry
for Combatting Weeds, by V. P. Batyuk, M. Ya. Poliyer:
V. P. Alkerzhan, 4 pp.

RUSSIAN, per, Plasticheskiye Massy, No 2, 1961,
pp 1-2.

JPRS 10795

Sci - Chem

Nov 61.

174,232

63-18362

Khlopyankina, M. S., Neiman, M. B., and Moiseev, V. D.
THERMAL DEGRADATION OF POLYMERS. II.
COMPARATIVE INVESTIGATION OF GASEOUS
OLEFINS RESULTING FROM THE DEGRADATION
OF POLYPROPYLENE AND POLYETHYLENE. [23
Apr 63] [15]p. (foreign text included) 17 refs.
Order from OTS or SLA \$1.60 63-18362

Trans. of *Plasticheskie Massy* (USSR) 1961, no. 2,
p. 9-12.

DESCRIPTORS: *Polyethylene plastics, Propenes,
Pyrolysis, Degradation, Gases, Ethylene derivatives,
Chromatographic analysis, Polarographic analysis,
*Ozonides, Molecular structure, Molecular isomerism.

A method was developed for the study of the structure
of microquantities of gaseous olefins including their
(Materials--Plastics, TT, v. 10, no. 11) (over)

1. Title: Polypropylene
- I. Khlopyankina, M. S.
- II. Neiman, M. B.
- III. Moiseev, V. D.
- IV. Title: Comparative ...

Office of Technical Services

Danyushevskii, A. S.
RETARDATION OF THE DECOMPOSITION OF
POLYVINYL CHLORIDE BY STABILIZERS-
ACCEPTORS OF HYDROGEN CHLORIDE. [1962] 7p.
Order from K-H \$8.75 K-H 12165

Trans. of Plasticheskie Massy (USSR) 1961, no. 3,
p. 35-36.

DESCRIPTORS: *Polyvinyl chloride, Decomposition,
Inhibition, *Hydrogen compounds, *Chlorides,
Stability.

(Materials--Plastics, TT, v. 9, no. 11)

63-12962

- I. Danyushevskii, A. S.
- II. K-H-12166
- III. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

Zhivuchin, S. M. and Tolstoguzov, V. B.
CHEMICAL PROPERTIES OF PHOSPHONITRILE
CHLORIDES (Fosforitrikhlord, Ego Poluchenie,
Svoistva i Primenenie). Rept. no. 2 of Phosphonitrile
Chloride, its Preparation, Properties and Application.
[1961] 11p. 54 refs.
Order from OTS or SLA \$1.60 62-10607

Trans. of Plast[ische] Massy (USSR) 1961, no. 4,
p. 14-17.

DESCRIPTORS: *Phosphonitrile chlorides, Chlorides,
Chemical properties, Hydrolysis.

(Chemistry--Physical, TT, v. 9, no. 11)

62-10607

I. Zhivuchin, S. M.
II. Tolstoguzov, V. B.
III. Title: Phosphonitrile ...

Office of Technical Services

Zhivukhin, S. M. and Tolstoguzov, V. B.
PRACTICAL APPLICATION OF PHOSPHONITRILE
CHLORIDE POLYMERS. Pt. 3 of Phosphonitrile
Chloride: Preparation, Properties, and Uses. [1961]
6p.
Order from ATS \$10.50

ATS-69N55R

Trans. of Plasticheskie Massy (USSR) 1961. no. 5,
p. 26-28.

DESCRIPTORS: *Phosphonitrile chlorides, Chlorides,
*Polymers, Plastics.

(Materials--Plastics, TT, v. 6, no. 12)

61-25721

- I. Zhivukhin, S. M.
- II. Tolstoguzov, V. B.
- III. ATS-69N55R
- IV. Associated Technical
Services, Inc.,
East Orange, N. J.
- V. Title: Phosphonitrile...

JPRS 11036

Office of Technical Services

Exhibition of the Achievements of the Soviet
Fleet of the USSR, by G. O. Gerasimov, 1971.

RUSSIAN, war, Plasticheskoye Vozdukh, No. 1, 1971
pp 72-75.

REFS 11037

Sol. - 1971.

Dec 61

(67-1079)

The Dielectric Properties From Pressing Materials.
by W. F. Manavets, L. F. Grigor'yeva, 22 pp.

RUSSIAN, Eng, Plasticheskiye Massy, No 6, 1961,
pp 13-20.

CPL 10065

Sci. - Phys.

176, 019

Dec 61

(S 1-10)

Results of Tests of Epoxy Resins and Their
Application in Repair, by V. A. Bershtein. 17 pp.

RUSSIAN, per, Plasticheskoye Massy, No 6, 1961,
pp 34-40.

JPRS 10366

Sci - Chem

175, 6-70

Dec 61

Preparation of Linear Polyurethanes
Without Solvents, by V. V. Korshak, et al.
RUSSIAN, per, Plasticheskiye Massey,
1961, No VI, pp 10-11.
NLL 5828.4 1964 (10,551) (On Loan)

Aug 65

286,419

Concerning the Catalytic Polymerization of
Polyorgano-aluminum-siloxanes, by K. A. Andrianov,
S. I. Dzhenchel'skaya, Yu. K. Petrashko, 5 pp. UNCL

RUSSIAN, per, Plasticheskiye Massy, No 7, 1961,
pp 20-21.

CIA/FED X-1730

Sci - Chem

Oct 61

169, 522

61-25704

Ratner, S. B., Stinskay, A. V., and
Shpakovskaya, E. I.
LONG-TIME STRENGTH OF ELASTICS. [1961] 11p.
Order from ATS 516.85 ATS-24N55R

Trans. of Plasticheskie Massy (USSR) 1961, no. 7,
p. 59-65.

DESCRIPTORS: *Plastics, Physical properties.

615 62-34216

(Materials--Plastics, TT, v. 6, no. 12)

- I. Ratner, S. B.
- II. Stinskay, A. V.
- III. Shpakovskaya, E. I.
- IV. ATS-24N55R
- V. Associated Technical
Services, Inc.,
East Orange, N. J.

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Office of Technical Services

(SR-1879)

At the Exposition of Achievements in the National
Economy USSR, by G. O. Tatevos'yan, 15 pp.

RUSSIAN, per, Plasticheskiye Massy, No 8, 1961,
pp 69-75.

JPRS 11386

178/53

USSR
Econ
Jan 11 62

63-18290

Lokshin, R. F.
WELDING OF THERMOPLASTIC MATERIALS
(Svarka Termoplastov). [1968] [20]p. (foreign text in-
cluded) 17 rubs.
Order from OTS or SLA \$1.60 63-18290

I. Lokshin, R. F.

Trans. of Plasticheskie Massy (USSR) 1961, no. 9,
p. 30-35.

DESCRIPTORS: *Thermoplastics, *Thermal joining,
*Welding, *Bonding, Heater, *Gasen, *Heat transfer,
*Ultrasonic radiation, *Induction heating, *Infrared
radiation, *Friction, *Sintering, *Fillers, Extrusion

A state-of-the-art survey which includes the following
topics: General problems; contact welding; welding by
heating from a gaseous heat transfer medium; welding
in a high-frequency field; ultrasonic welding; welding by
infrared heating; friction welding; welding by sintering;
and, welding with the aid of an extruded filler.
(Materials--Plastics, TT, v. 10, no. 9)

Office of Technical Services

Plastic and Its Derivatives - A Three-Volume
Raw Material for the Plastics Industry
A. N. Kozlov, H. E. Shchegolev, 11 pp.

RUSSIAN, per, Plastics Industry Magazine,
1954, no 4-5.

JPRS 11045

USSR
Econ
Ind 53